

# BROOKHAVEN BULLETIN



April 18, 1975

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# Lewis R. Burchill **Dies Following** Long Illness

Lewis R. Burchill, a key AUI official until his retirement in 1973, died on Friday, April 11. His death followed a two year struggle with a heart condition. He was 66.

Lew Burchill came to Brookhaven National Laboratory as Fiscal Officer in 1948. He became Controller of AUI in 1952 and Treasurer of the Corporation in 1969.

He started most of the existing accounting systems at the Lab, and was responsible for developing the AUI internal audit function. The internal audit reviews the administrative activities of the Lab for manage-

Burchill played a key role in all contract negotiations between AUI and the AEC and in negotiations with the National Science Foundation over contracts governing the National Radio Astronomy Observatory (NRAO).

From February, 1975, until the time of his death, Burchill was working as a consultant in the preparation of an estate planning booklet for BNL personnel.

He obtained his baccalaureate degree from Harvard University in 1931, his MBA



Lewis Burchill

from Harvard Business School in 1938 and became a Certified Public Accountant (CPA) in 1941. He started his career with Touche, Niven & Co., a CPA firm, where he worked from 1938 until 1942.

During World War II, Burchill was asked to go to Haiti as Assistant Treasurer and Controller of SHADA, a wartime agricultural development company. The company attempted to increase the supply of rubber-latex by cultivating a variety of tropical plants. He always remembered those days and recalled how he headed a group of about ten men charged with handling the accounts and payroll of the company, which at one point had 49,000 employees.

After several post-war positions, Internal Auditor at Curtis Wright and a partner in a public accounting firm, he came to Brookhaven where he remained for 26 years.

He is survived by his wife Catherine who lives on Beaver Court in Brookhaven. In lieu of flowers, she asks that any donations be sent to the Coronary Care Unit of Brookhaven Memorial Hospital.

On Tuesday, April, 15, Lew Burchill was buried in the town of his birth, Frackville, Pennsylvania.

## **CREF Unit Values**

	19	74	
January	\$40.75	February	\$40.83
March	39.32	April	37.58
May	35.11	June	34.29
July	31.71	August	29.09
September	25.39	October	30.27
November	29.23	December	28.35
	19	75	
January	\$30.67	February	\$32.80
	March	\$33.77	



Dr. Harold Atkins (center) describes the Nuclear Medicine Program at BNL to Dr. Abbas Owlia (left) and Dr. Reza Khazaneh, members of the Iranian Atomic Energy Organization who visited BNL on Wednesday. They recently attended the U.S.-Iranian Joint Commission meetings in Washington, D.C. and are now visiting selected ERDA facilities.

# **Basic Research to SST's & Cancer**

The next Brookhaven Lecture, entitled "From Basic Research to Skin Cancer and SST's in Three Easy Steps," will be presented by Richard Setlow, Biology, on April 30, at 8 p.m. in Berkner Hall.

The lecture will be based on Setlow's research and on his experiences as a member of two National Research Council Committees, one to evaluate the environmental impact of supersonic flight and another to review the statistics of skin cancer.

A member of the National Academy of Sciences, Setlow is one of the pioneers in determining the effects of radiation on the DNA molecule. His current research focuses on the repair mechanisms of DNA damaged by chemicals or radiation.

One of the goals of the scientific community is to anticipate and to predict the effects of environmental changes on living systems in general, and on man in particular. The ability to predict depends upon an exchange of information among basic researchers, medical scientists and epidemiologists. Basic research develops laws describing the effects of radiation and chemicals on molecules, cells and animal systems. Applying this information to man requires

# **Your Big Chance**

Next week is National Secretaries Week and bosses across the country will have an opportunity to show their gratitude by taking their secretaries to lunch, bringing them flowers or perhaps by saying a simple "thank you.'

Each year, the National Secretaries Association (NSA) promotes this week, highlighted by Secretaries Day on Wednesday, April 23. This year's theme is "better secretaries mean better business." and the week will be observed by seminars, workshops and study groups in NSA chapters throughout the country.

The NSA, founded 40 years ago, has a world-wide membership of 33,000 which includes many male secretaries. There are five NSA districts in the United States and within each are numerous chapters. There are also international chapters in Europe, Puerto Rico, South America and one in India. There are three chapters on Long

Pat Towey, Physics, is the vice president of the 19-year-old Queen Anne Chapter in Islip Town. At their meetings, usually on the third Thursday of every month, they have a dinner and arrange for a speaker. Last month, Pieter Meyer, Chemistry, spoke about artwork authentication using neutron activation autoradiography.

The NSA is not a union, in any sense of the word, but is an organization that stresses the importance of education. The goal of the NSA, says Towey, is to make secretaries aware of the importance of education that might help them in the busi-(Continued on page 2)

lots of medical knowledge. To evaluate risks quantitatively, one must have data for the population as a whole, epidemiological data, not just data on individual people.

Since we cannot do experiments on man, this approach is the only possible one. We want to have confidence in our predictions so preventive measures can be taken well ahead of time to prevent deleterious long term changes in the environment.

The best and almost only quantitative example of predictive ability is in calculations of the effects of supersonic transports on the increases in skin cancer in man. Although skin cancer is the most common of all cancers, the usual form is rarely lethal.

The effluents from a large fleet of high flying aircraft, using present engines, would result in a serious depletion of the layer of ozone in the stratosphere. As a result, less of the sun's ultraviolet radiation will be absorbed in the stratosphere and more will strike the surface of the earth. The increase in ultraviolet radiation will result in an increase in skin cancer. For example, it is estimated that a fleet of 16 Concords would result in approximately 800 new skin cancer cases per year in the United States - a small number. Whereas 500 of the originally proprojected United States supersonic transports would result in over 100,000 new skin cancer cases per year - a very large and unacceptable number.

The ability to make such predictions depends upon the fact that ultraviolet radiation is the best studied and understood model hazard that we know of. It is the best because its effects on DNA are known well, as are its effects on cells and on animals. Moreover, people expose themselves continually to ultraviolet radiation. Those in the South receive more than in the North and this is the presumed explanation for the observation that skin cancer has a much higher incidence in the South than in

Although these epidemiological data are quantitatively superior to most other data relating to environmental hazards, they still leave much to be desired. Nevertheless, there is sufficient confidence in this prediction and in our knowledge of basic photobiology and photochemistry of the stratosphere, that the National Research Council has recommended that a development program be aimed toward reduction of the polluting effluents from high flying aircrafts by a factor of 10 within the next decade and that research programs be aimed at substantial improvements in emissions.

The hazards from polluting engines in the stratosphere are easily predictable from basic photochemical and photobiological knowledge. They are not easily measurable in a short time and if we wait to observe the changes, it might be too late to take corrective action.

The SST problem has induced a recognition of the fragility of the stratospheric (Continued on page 2)

# Lee Leaves For **Meeting In Korea**

Y.Y. Lee, a physicist in the Accelerator Department, has been invited by the Korean Physical Society to speak at their spring meeting in Soeul. Lee is a collaborating member of the Ting Group that discovered the J-particle, and his talk will deal with this discovery and with the current status of experimental particle physics.

A native of Korea, Lee plans to devote a month to this trip which will include a visit to his family in Taegu, a town on the southern tip of the Korean peninsula. He will leave on April 19.

On his way to Korea he will stop off in Tokyo to talk about the J-particle discovery at the Japanese High Energy Physics Laboratory (KEK). On his return trip, he will deliver a lecture at the University of Hawaii.

Lee last visted Korea two years ago. He grew up in Taegu and received his B.A. and M.A. degrees in physics from Kyung Pook National University. The seven national universities in Korea are similar to the state universities in the United States.

After graduating from high school, Lee had planned to enter medical school but did not pass the required physical examination due to the lack of one ear drum. "Medical school was in fashion at the time and a challenge," he recalls. He claims he



Y.Y. Lee

studied physics quite by accident. In Korea, students are required to choose a major field of study before entering a university. "Out of the blue, I picked physics," he said.

Does he regret choosing physics? He thinks not. "You have to like physics to enjoy it. When you are doing research, if you think of it as a job, life is a lot tougher," he

Lee remembers many nights lying awake with a physics problem churning in his mind. Once he actually got up in the middle of the night and came to the Lab to solve a problem. "Sometimes you suddenly think of a solution to a problem and cannot wait until morning.

Lee came to the United State in 1960. There are no facilities for high energy physics in Korea and because of the vast amounts of money needed to build one, he sees none appearing there in the near future. Physics in Korea is primarily theoretical, reactor and solid state.

He received his Ph.D. in physics from the University of Michigan and did his post-doctoral work at the University of Wisconsin. In 1967 he accepted a research and teaching position at the State University of New York at Stony Brook.

He joined the staff of the Accelerator Department at BNL in 1971. It was here in November of 1974 that he participated in the most exciting event of his career as an experimental physicist-the discovery of the J-particle.

Although he found the Midwest very beautiful, Lee prefers Long Island, if only for the climate. "The only impressions I had of the Midwest were cold and lots of snow." Lee lives in Stony Brook with his wife and their two children, a 10-year-old daughter and a 7-year-old son.

#### -----

# What Do Dinosaurs And Nuclear Power Have In Common?

Now that the dinosaurs are gone, a film produced by the Atomic Industrial Forum presenting the positive story of nuclear power, will be shown in Berkner Hall on Monday and Tuesday, April 21 and 22, at 12:30 p.m.

Near a small tributary in North Texas, the distant past and the future seem to walk hand in hand. Along the bed of Squaw Creek are the tracks of dinosaurs, perfectly preserved since their dominance on earth a hundred million years ago. Only a short distance away is the site of a planned nuclear power plant, representing what may well be our major source of electric energy in the decades and centuries to come.

The principal reason for the shift to nuclear power is symbolized by the dinosaur footprints. The fossil fuels that have powered industrialized societies for decades –

coal, oil and natural gas – are becoming scarce in supply and considerably more expensive to produce. Accordingly the United States and other industrialized nations are planning a greater reliance on electricity for their energy, and to produce that electricity they must use fuels other than petroleum. That leaves coal, which alone cannot be counted on to take up the slack, and nuclear energy – the only fully developed alternative to fossil fuels for large-scale power production.

This film presents the story of nuclear power as the next step in man's use of his resources to provide energy. It covers both the basic advantages of nuclear power, as a means to save our fossil fuels and to hold down the costs of electricity, and answers to some of the basic questions about nuclear power: Is it compatible with environmental protection? Is low-level radiation a danger? Is it safe? How do we handle radioactive wastes? And how can a member of the public cope with what appears to be a complex technical debate?

Providing answers to these questions are Dr. Norman Rasmussen, Professor of Nuclear Engineering at MIT; Dr. Dixy Lee Ray, Assistant Secretary of State for Oceans and International Environmental and Scientific Affairs and Dr. Ralph Lapp, energy consultant and author.

Now that the dinosaurs are gone is a generic nuclear power film with national scope. Original footage, shot throughout the country, illustrates America's demand for energy, its benefits for our economy, the loss of fossil fuels, and the lack of any other near-term alternative (including fusion, solar and geothermal energy).

# BNL Lecture

(Continued)

ozone layer and has led to the concerns that unchecked use of aerosol sprays may drastically affect the amount of ultraviolet striking the earth.

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Setlow and his wife Jane, both biophysicists, joined the BNL Biology Department in the fall of 1974, after 14 years at Holifield National Laboratory (formerly Oak Ridge) in Tennessee.

Setlow received his B.A. and Ph.D. degrees in physics from Swarthmore College. He taught physics and biophysics at Yale University from 1943 until 1961. Following



Richard Setlow

his long teaching career, he joined the staff of Oak Ridge as a biophysicist. While at Oak Ridge, he once again picked up teaching as a professor of biomedical sciences at the University of Tennessee. From 1972 until 1973 he was Director of the University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences.

He has been a member of the Biology Advisory Committees of both Argonne National Laboratory and Brookhaven National Laboratory. He has published many articles, primarily in the areas of biophysics and radiation biology.

Setlow is a member of numerous professional organizations. He is currently President of the Comité International de Photobiologie, a member of the Commission on Radiation Biophysics of IUPAB and Councilor in Physics of the International Association of Radiation Research. He is a council member of the Biophysical Society and the Radiation Research Society and is on the editorial board of Photochemistry and Photobiology, Radiation Research and the Biophysical Journal.

A buffet supper will be served at the Brookhaven Center before the lecture beginning at 6 p.m. Reservations should be made in advance by calling Ext. 3541 before 5 p.m. Refreshments will be available in the lobby of Berkner Hall immediately after the lecture.

## French Group to See Slides of France

At the next meeting of the BNL French Group, on Wednesday, April 23, at 8 p.m. in the Recreation Hall (Apartment Area), Diana Bartelt of the BNL Biology Department will speak and show slides taken during a year's stay in France.

Ms. Bartelt worked at the Unité de Recherche de Pathologie Digestif in Marseilles with staff member Odette Guy, who has worked at BNL and has many friends here. In her talk, which will be in French, Ms. Bartelt plans to describe the laboratory atmosphere there and to compare it with that at Brookhaven. During her stay, she traveled extensively, not only in Provence, but in Corsica, the Pyrenées, and Normandy as well; many of her slides were taken in these areas.

Laboratory members and friends are cordially invited. Those who are not French Group members will be asked for a nominal donation to help cover the cost of refreshments.

—Ralph Weston

## Why Do Birds Sing?

On Sunday, April 20, at 7:30 p.m. Channel 13 will follow suit with the major television networks and begin a repeat of its 1974-5 NOVA season. Although we all usually lament the onset of the repeat season, these programs certainly deserve a second airing.

"Why Do Birds Sing?" is a film which begins in the woods and marshes and ends in the laboratory. It explores how and why birds sing: the role of song in territoriality; the language of birdsong; the acoustic properties of calls; and how birds acquire their songs – a process that involves learning and that has turned out to have some surprising parallels with the acquisition of speech in humans.

If you miss the show on Sunday night, Channel 21 will repeat the broadcast at 8:30 p.m. on Tuesday, April 22.

#### **Official & Special Events**

Monday, April 21

Institute of Fine Arts Conservation Center Student Tour Biology Department Visiting Committee

Now that the dinosaurs are gone - movie

12:30 p.m. - Berkner Hall

Tuesday, April 22

(April 21-22)

ERDA Project Review Meeting

Now that the dinosaurs are gone – movie
12:30 p.m. – Berkner Hall

Wednesday, April 23 Secretary's Day

Secretary's Day Thursday, April 24

Yale University Graduate Student Tour Community Chamber Players Concert Friday, April 25

University of Bridgeport Student Tour

Tuesday, April 29
ERDA Inspection Team
U.S. Military Academy Cadet Tour
Wednesday, April 30

BNL Lecture - Richard Setlow Berkner Hall

Navy Meeting

Navy Meeting Thursday, May 1

Medical Depart. Visiting Committee

(May 1-2)

Friday, May 2 NYU Physics Society Student Tour

## **Arrivals & Departures**

Arrivals

Joan O'Rourke ...... Dept. Applied Science

Departures

Gerald Walker ..... Dept. Applied Science

#### In Memoriam

Mary Orlowski, who worked in the Medical Department, died on Tuesday, April 15, 1975. She had been employed at the Lab since September 16, 1968.

#### Secretaries Week

(Continued)

ness world. The NSA slogan, "Better Learning, Better Living, Better Letters," says it all.

Every year, the NSA awards a \$2000 scholarship to a high school graduate planning on entering business school with the intent of becoming a secretary. On a local level, the Queen Anne Chapter offers two \$500 scholarships yearly to potential secretaries. Many chapters establish Future Secretaries Associations (FSA's) in high schools and colleges for the benefit of those interested in the secretarial profession.

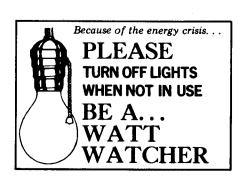
Once a year, the NSA gives a certification examination for the Certified Professional Secretaries (CPS). The CPS is to the secretary as the Ph.D. is to the scientist. The test consists of six sections: economics, business law, office procedures, business math, environmental investigation and secretarial procedures. It is not easy and requires much preparation. For this reason there are not that many secretaries who hold a CPS. At BNL, the only CPS is Dorothy Schroeder, Director's Office.

The NSA defines the secretary as "an executive assistant who possesses a mastery of office skills, who demonstrates the ability to assume responsibility without direct supervision, who exercises initiative and judgment, and who makes decisions within the scope of assigned authority."

Have no fear bosses, your day will come in October. National Boss Day usually falls on the second or third Wednesday in Oct.

## **IBEW Meeting**

Local 2230, IBEW, will hold its regular monthly meeting on Thursday, April 24, 1975, at 8 p.m. in the Knights of Columbus Hall, Railroad Ave., Patchogue. There will also be an afternoon meeting at 2 p.m. for shift workers in the Union office at 31 Oak Street, Patchogue. On the agenda will be regular business, committee reports and the President's report.



## Chamber Music Concert

BERA will sponsor a concert of the Community Chamber Players in Berkner Hall at 8:30 p.m. on Thursday, April 24. The program will consist of Hayden's "Symphony No. 102 in B-Flat," P. Hindemith's woodwind quintet, "Kleine Kammermusik" (Op 24, #2, 1922) and F. Delius' "On Hearing the First Cuckoo in Spring."

The Community Chamber Players were organized in October 1974 to provide local nonprofessional and student musicians with an opportunity to perform fine music composed for the small orchestra and various ensembles. The musical director, Mr. Ralph Satz, is a well known music editor, educator and professional musician. Members of the ensemble include Arthur Hoffman, Lucas Fekete and Peter Lipari, first violin; Stefan Utne and Marguerite Sailor, second violin; David Alburger, viola; Mary Ellen Kitchens and Edwin Colbath, cello; Robert Waghorn, string bass; Mark Barton and Kathy Isles, flute; Lois Barton and Robert Tucker, oboe; Walter Ebersole and Marjorie Woodwell, clarinet; Boyd Osgood and Carolyn Woodwell, bassoons; Phyllis Tucker and Carolyn Rose, horn; Robert Fehring and Jonathon Cumming, trumpet and William Trigg, timpani.

One enjoyable feature of previous concerts of the ensemble has been the informal commentary of Mr. Satz, who is a scholar of the chamber repertoire.

Members of the public as well as BNL staff are cordially invited. Coffee will be served following the concert, providing an opportunity for the audience to meet the musicians. The admission is free; however, BERA will welcome contributions to help offset the costs of the regular concert season and the refreshments.

#### Women on the Move

The next group railroad trip to New York City will be on Wednesday, June 4.

Departure will be at 8:45 a.m. from the Patchogue, Long Island Railroad station, and any train to Patchogue may be used for the return trip.

The round trip cost will be between \$2 and \$3, depending upon the number of people who take the trip. Children under six ride free of charge.

If you are interested, please sign up before May 30, by calling Rosemary Jewett, Ext. 3089 or Ruth Dimmler 751-6342.

## Service Awards - April

B. Chalmers Frazer

The following personnel will receive service awards in April.

Twenty Years

Dorothy C. Berg ......Photog. & Graphic Arts

Rosemarie G. Saloukas	Medical				
Ten Years					
Frederick J. Altrui	Supply & Materiel				
John R. Bieling	Accelerator				
Thomas W. Brown	Mech. Engineering				
John F. Frasher	Accelerator				
Mario A. Geracitano	Plant Engineering				
George F. Martin, Jr	Accelerator				
Henry L. Montville	Plant Engineering				
Louis A. Morris	Plant Engineering				
James Plastiras	Central Shops				
Anna M. Sell					
Bonnie H. Wesolowski	Chemistry				

Tyrell S. Wilson, Jr. ...... Health Phys. & Saf.

William C. Wilson ..... Applied Math.

## **Bowling News**

Grace Fales

#### Red League

With only 2 more weeks to go, the league is tightening up. The Neutrons still lead with 97½-45½, followed by the Anachems 93-50 and the Old Timers 92-51. High scratch series for the night was J. Scesny's 235/601. High games: P. Klotz 219, T. Prach 204/204, F. Hohmann 217, P. Borzi 206, J. Roesler 201, R. Nelson 230, W. Reams 205, K. Asselta 211, B. Buzzeo 223, H. Bell 203, and E. Malcolm 203.

#### Pink League

Coming down the home stretch, the Spares are still in first, with the Alley Oops in second. High games: K. Hunt 190, H. Caisey 185, M. Brenner 182, J. Hamilton 176/181, H. Keeley 177, A. Bangel 175, G. Fales 174 and C. Van Noy 171/172. Rosalie Piccioni converted the 5-7 split, and Grace Fales the 6-7.

#### Black and Blue League

Lew Jacobson, back after an extended rest period, made the 600 and 678 Club Awards, with 217/247/638 scratch/716 gross. Congratulations, Lew! Other high games were Ralph Taylor 238, Frank Bugala 209, Al Laurine 202, Joe Mayeski 201, Rosalie Piccioni 182, Kit D'Ambrosio 180, Betty Jellett 160. Pots were won by Lew Jacobson 273 and Janet Fitzpatrick 213.

#### Highlights of the 32nd Annual Long Island Invitational Bowling Tournament for Women

BNL's team is now in fourth spot. Their first game, 715, scores second high series in the tournament to date. Highs for the night were K. Van Noy 233, J. Hamilton 191, M. Stoeckel 172, and H. Caisey 171. Next week, the last night of the tournament, is position night. Knock 'em dead, girls!

#### **Date To Remember**

Thursday, May 8, from 3 to 6 p.m. is a date to remember. The occasion? The Hospitality Committee will sponsor a tea and sherry party with the theme, "Sew and Show." Please set this date aside and join us.

#### **Tennis Ladder**

It's time for all interested players to sign up for the 1975 BNL Tennis Ladder. As in past years, there will be ladder play in men's and women's singles. Sign-up sheets are posted in the BERA office in Berkner Hall, and those employees and their spouses who wish to participate should sign up before April 25, as the season will open May 1. Those who participated last year and who wish to continue on the ladder should sign up again, otherwise their names will be dropped.

Rules governing ladder play will be the same as those used last year and all matches will consist of an eight-game pro set, to be decided by a nine-point tie-breaker if the score reaches eight games all. Detailed rules will be distributed to those who sign up for the ladder. Anyone with questions should contact Tom Koetzle at Ext. 4384.

—T. Koetzle

## Cafeteria Menu Week Ending April 25, 1975

Monday, April 21

I omato Vegetable Soup			
Keilbasy w/Sauerkraut	1.05		
Grilled Ham Steak & 1 Veg.	1.10		
Tuesday, April 22			
Cream of Potato Soup			
Braised Short Ribs & 1 Veg.	1.20		
Macaroni & Cheese & 1 Veg.	1.00		
Wednesday, April 23			
Lentil Soup			
Tuna Noodle Casserole	1.10		
New England Boiled Dinner Special			
Cup of Soup or Juice			
Corned Beef & Cabbage			
Boiled Potato or Mashed Turnips			
Plain Jello or Ice Cream			
Small Beverage \$1.87 plus ta	ıx		
Thursday, April 24			
Chicken Noodle Soup			
Franks & Baked Beans	1.00		
Chopped Steak & 1 Veg.	1.00		
Friday, April 25			
New England Clam Chowder			
Red Snapper & 1 Veg.	1.10		
Chili Con Carne w/Rice	1.00		

**BNL Exhibit Goes to Southampton** 



A curious youngster checks out the Brookhaven National Laboratory exhibit at the Annual Peconic Exposition and Trade Fair held at the Gold Crest Manor in Southampton from April 10 through 13. Approximately 12,000 people visited the four-day exposition. Featured at the exposition were exhibits from many Long Island businesses as well as educational, historical and conservational exhibits.

#### Philosophy At SUNY

The Philosophy Department at the State University of New York at Stony Brook is now accepting applications for its Masters of Arts in Philosophical Perspectives program. This program is for people who have been away from college for some years and wish to engage in both structured and individualized studies in philosophy. Most courses fall into one of three areas: History of Philosophy, Contemporary Schools of Philosophy and Contemporary Moral and Social Problems.

Courses are scheduled in evenings and Saturday morning. Limited financial aid is available. Prior work in philosophy is not a pre-requisite, though candidates should be able to show evidence of ability and interest appropriate for the program.

For further information and application materials, call or write Ms. Carol Harty, MA/PP, Department of Philosophy, SUNY at Stony Brook, Stony Brook, N.Y. 11794 (phone 246-3344); or phone Dr. Carleton Dallery at 246-6564 or 751-2696.

#### **More Bottles Needed**

With a new project underway, the Department of Applied Science is in need of empty brown bottles. A dumpster has been placed at the corner of 6th Street and Brookhaven Avenue for all employees who wish to donate bottles.

The bottles should be clean with no caps and the labels removed if possible.

#### Selected Reading

Phys. Today 28, April 1975

Record Federal R&D budget shows continued energy emphasis. M. Jacobs. 101-4

Science 188, April 4, 1975

Daniel Bell: Science as the imago of the future society. N. Wade. 35-7

#### **Elmore is Best Bird Batter**

BNL's badminton singles champion is a new one for 1975. John Elmore, Medical, who was runner-up in 1974, held the lead during most of the tournament and finished on top with Ed Platner, Physics, in second place. John Guthy was third.

R.C. Anderson found a new partner this year as capable as last year's and finished in first place again in the doubles matches with John Elmore.

More players and more matches marked this year's tournament. In 1975 119 single matches were played, compared with 96 in 1974.

Special mention for improved playing should go to John Guthy, Y.Y. Chu and Eena Mai Franz.

#### **Mets Tickets**

The following Mets Baseball tickets are still available for the months of April and May:

Apr.			Ticke
Sun.	20	Chicago	8
May		· ·	
Fri.	2	Montreal	8
Sun.	4	Montreal	8
Tues.	6	Pittsburgh	8
Wed.	7	Pittsburgh	4
Fri.	9	Cincinnati	8
Mon.	12	San Francisco	8
Tues.	13	San Francisco	8
Wed.	14	San Francisco	8
Mon.	26	Los Angeles	4
Tues.	27	Los Angeles	8
Wed.	28	Los Angeles	4
Fri.	30	San Diego	8
Sat.	31	San Diego	8

These tickets may be purchased at the BERA Sales and Service office located at the cafeteria from 7:30 – 11:15 and 11:45 – 2:20

## Stony Brook Events

Friday, April 18

The Community Free Theatre of St. James will present an audience participation sensory awareness experience, "Into the Maze," at 8:30 p.m. in the main lounge of Asa Gray College. Tickets, which are available at the door, will cost \$1 for the general public.

The University's Performing Dance Group will perform in the Stony Brook Union Auditorium at 8 p.m. The concert will consist of eleven original compositions to the music of Bach, Purcell, Satie, Chich Corea and Eddie Harris. The Stony Brook dancers will be joined by the Performing Dance Group from Centenary College for Women in New Jersey.

Saturday, April 19

The Saturday Film Series will show Ted Browning's "Freaks" at noon in the Stony Brook Union Auditorium.

The Stony Brook Chamber Singers, under the direction of Amy Kaiser, present "Monteverdi and the Italian Madrigal," an evening of 16th century madrigals, to be performed at 8:30 p.m. in Lecture Center 105.

Sunday, April 20

Violinist Carol Feinblatt will perform at 3 p.m. in Lecture Center 105.

There will be a piano recital featuring Michelle Shaw, Susan Finger, Paul Fuchs, and Steve Boyce at 8:30 p.m. in Lecture Center 105.

Monday, April 21

An exhibit of paintings and prints by Mavis Pusey, a member of the art faculty, is on display in the Stony Brook Union Gallery and continues through April 30. Gallery hours are 11 a.m. until 5 p.m., Monday through Friday.

Tuesday, April 22

Tuesday Flicks presents "Lost Horizon" beginning at 8 p.m. in the Stony Brook Union Auditorium.

Pianist Phyllis Gotlib will perform at 8 p.m. in Lecture Center 105.

Wednesday, April 23

"Three-Penny Opera," a presentation of the Theatre and Music Departments, will be performed through May 4 at 8 p.m. (April 27 performance will be at 2 p.m.) in the Calderone Theatre, Building B, South Campus. Tickets are \$2.50. For reservations call 246-5681.

The Women's Film Series presents "Angela-Portrait of a Revolutionary," a film by Yolande duLucart, and "Portrait of Jason" by Shirley Clarle beginning at 8 p.m. in the Stony Brook Union Auditorium.

Thursday, April 24

Thursday Night Cinema, sponsored by the CED student government, will show "Interviews with My Lai Veterans," a color short, and Jiri Menzel's "Closely Watched Trains" beginning at 8 p.m. in Lecture Center 100.

Friday, April 25

"The Nature and Nurture of Life," a two-day seminar sponsored by the Health Sciences Center School of Nursing, begins today. Admission will be \$10 for students and \$45 for others. For information contact Dr. Dorothy Harrison at 444-2388.

"Mostly From The Last Decade," a concert, will be presented at 8:30 p.m. in Lecture Center 105.

#### Classified Advertisements

#### **Placement Notices**

Each week the Personnel Office lists personnel placement requisitions, currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request consideration for themselves through the Personnel Office. In filling vacancies, the Laboratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

72. COMPUTER SCIENCE ANALYST - Department of Applied Science.

73. TECHNICIAN - Experienced in mechanical technology. Waste and reclamation area. Health Physics & Safety Division.

74. SR. AUDITOR - Minimum B.S. or equivalent in Business Administration or Accounting and approximately five years' experience in public accounting or industrial auditing. CPA/MBA desirable. Internal Audit. A.U.I.

#### **Autos & Auto Supplies**

65 PLYMOUTH VALIANT - V8, p/s, auto, 2 dr, gold w/black interior, clean, good cond, must sell. 924-3553.

71 OLDS - 98 lux sed, full power, a/c, ps/pb, p/w, cruise control, excel cond. \$1295. D. Metz, Ext. 3054.

TIRE - W/Chrysler, 13". Ext. 4172. TIRES - 5-15", 3-13", asstd cond. 475-0144.

67 TEMPEST - Excel cond, must sell. Mark, 589-5689.

#### Classified Advertisements

#### **Autos & Auto Supplies**

TIRES - 2-15" L70 w/chrome Chevy rims. \$40. Steve,

72 VEGA HATCHBACK - Auto, new engine, new exhaust sys. 588-3792 after 5.

RIMS - 2-13", 5 holes; 1-15" Ford rim, 5 holes, \$5. O. Booker, Ext. 4719.

69 VW BEETLE - Auto stick-shift, new paint, new trans,

excel cond. \$1350, 281-0493. 72 CHEVELLE - 402 engine, 45,000 mi, 3 spd auto,

am/fm, 8 track stereo, mag wheels. Leroy, Ext. 4582. 72 PONTIAC LEMANS - Ps/pb, air cond, vinyl roof,

lux interior, very clean. Charlie, Ext. 3950, 878-1540. 70 PONTIAC LEMANS - 8 cyl, 2 dr, ps/pb, air cond, am/fm, tape, radial tires, new paint, excel cond. Asking \$1350, 473-5833.

68 RAMBLER AMERICA - 4 dr, 6 cyl, sedan. \$590. Bob, Ext. 2528.

66 T-BIRD - Air cond, full power, good cond. \$600. Ext. 3121, 744-5261.

72 VW - 411 wagon, auto trans, new radial snow tires, am/fm, 8 track stereo, excel cond. 878-1711 after 5.

67 BMW 1600-2 - Many new parts & spares, new Bilsteins, stereo, radials, other extras, needs 1st and 2nd synchros. \$600 firm. Dave, 724-9191/744-6150.

71 KAWASAKI 500 - Fully equipped, \$600 or best offer; 3 helmets, 1 brand new, \$50. Schiro, 286-8234

69 FORD LTD WAGON - Full power, good cond. \$750. Al, Ext. 4103.

74 TR6 - French blue, steel-belted radials, luggage rack, immaculate cond. \$4000 firm. 288-3822 after 7.

RIMS - 4, 13" for Chevy Nova, \$5 each, 4 for \$15; integrated starter for 68 jeep wagoneer, \$20. Dunning, Ext. 4285.

66 FORD VAN - Fair running cond, but may need work, good for mechanic! 473-9121 morns, late eves & weekends.

TIRES - New, used & recaps, extra rims, most sizes. Ken, 289-8212 eves.

RIM - 1-14" Ford, 5 hole, extra wide, \$5. O. Booker, Ext. 4719.

#### **Boats & Marine Supplies**

HOBIE 14 - Excel cond, many extras. Wayne Penello, Ext. 3046.

23' LUHRS - Skiff, gray marine engine, extras, oak Lapstrake, make offer. Betty, 589-0461.

EVERDUR - New 18'x6' double-ender, heavily bit,  $\frac{1}{2}$ " marine ply on white oak, screw fastened, sacrifice. 298-8601

TRAILER RIM - 4 bolt for 4.80/4.00/8 tire, like new cond, \$4; 50 lb navy anchor, \$15. L. Decker, Ext. 4317. WESTWIND - 15'6", 50 hp Evinrude, full elec & trailer, many extras, all in good cond. \$1200. 475-2769.

BOARDING LADDER - Mayfair Mark II, Model L-452, 4-step, new, "maintenance-free," floats, folds compactly. \$36. Bill Bornstein, Ext. 2603, 473-1813.

16' LAPSTRAKE RUNABOUT - 33 hp Evinrude motor. \$350. 286-0939.

33' RICHARDSON SEDAN - Sleeps 5 +, galley, elec refrig, 185 hp Chrysler. \$4700. 289-1873 after 6.

ELCO 32 CLASSIC - Sleeps 6, 32' sedan, 135 hp Palmer, dinghy w/3 hp Evinrude, excel cond. \$4300. 878-1711 after 5.

#### Miscellaneous

10' TRIPLE PICTURE WINDOW - \$/s included, best offer; triple width floral drapes w/traverse, rod & hooks. 744-5553.

GARAGE DOOR - Metal, approx 8'x7'. \$5. Ext. 4240, 286-0295.

AIR CONDITIONER - York, 5300 btu, 5.6 amps, under warranty, used 4 times. \$150. 665-5910.

PIONEER SX-727 AMP - 2-24" 8 ohm floor speakers, BSR turntable, Aircastle 8 track player recorder. \$600. LEATHER BOOTS - Fur-lined, brand new. \$20. George, Ext. 2534.

GERMAN POINTER - Short-haired, 6 mos, AKC reg, all shots. \$100. 878-1895 after 6.

ELEC RANGE - Counter-top, GE, yellow, push-button, \$25; table saw, belt-driven, heavy-duty motor, 220V, \$25; 3'x2' bedrm mirror, \$15. Dunning, Ext. 4285.

GE AUTO FLAT IRONER - Model 1 AF20A2, 110V, 60 cyl, 1575 watts, \$100. Ext. 4581.

TABLE LAMP - Provincial, 36", white-frosted glass w/ detail work in gold, gold base. Orig, \$125, sell \$25. 981-5993 after 6.

CAMERA - 35 mm Konica S-3, F1.8 lens w/case, filter & shade, like new. \$135. Ed, Ext. 2957.

LAB PUPS - Black, AKC reg, born Mar 25th. C. Niel-

son, Ext. 3935, 325-0968. GIRLS' BIKE - 20" hi-riser, 3 spd, speedometer, mint cond. \$40. Ext. 3121, 744-5261.

SOCKET WRENCH - & tool set, 106 pieces, 1/4, 1/2, & %" drive, new, never used. \$37.50 firm. Ken, Ext.

BOOKCASE BED - Danish walnut, man's 5-drawer dresser, ladies' triple dresser, double mirror, 2 night tables, excel cond. \$350 firm. 286-3508 after 5.

20" BOY'S BICYCLE - Can be converted to girl's. \$10. Joan, 744-3919.

BED FRAME - Adjustable cot to dble bed size, \$10; twin bed frame, \$7.50; twin box spring, \$25 each; twin innerspring mattress, \$25. Joan, 744-3919.

BICYCLE - 20", boy/girl, solid rubber tires w/training wheels, good cond. \$15. Sandy, Ext. 3369, 286-1022

PROPANE GAS CYL - 20 lbs. \$10. J. Aggus, Ext. 4742. SEWING MACHINE - W/cabinet, Bradford zigzag, embroiders, monograms, buttonholes, buttons, darns, etc, accessories, 1½ yrs old, excel cond. \$75. Bob, Ext. 3725 after 4.

OLD SINGER ELEC SEWING MACH - In cabinet, works, some attachments. \$15.727-1329.

SOLID BRASS BED - Antique, single size. \$175. Irene Mernitt, 589-5126.

ZENITH TV - 1966 23" color, works but needs picture tube, \$25, 475-3525.

CHAIR - Black vinyl, walnut frame, ideal for den, excel cond. \$10. 584-6019 after 4.

SECRETARY DESK - Good cond; free male shepherd pup, 8 mos, great pet & watch dog. 475-1453.

DUTCH RABBIT BABIES - 5 weeks old, black & white/ brown & white. \$3 each, 2 for \$5. Ernie Jochen, Ext. 3357, 281-7873.

REFRIGERATOR - Frigidaire w/freezer. Asking \$50. 584-6019 after 4.

FRENCH PROV LIVING RM - 3-pc set, white crushed velvet sofa, 2 blue crushed velvet chairs, \$450; Bavarian glass topped coffee table w/gold braid base, \$100. 727-8052 after 5:30.

BASEMENT FURNITURE - 3-piece red sectional, \$75; white w/gold bar w/3 stools & shelves, \$45; RCA 25" color TV & hi-fi combo, \$75; Sears 19" table color TV, needs work, \$40. 727-8052 after 5:30.

WURLITZER - Ebony finish, apt size piano, full keyboard, \$500; antique bedrm set, green, dresser, armoire, dressing table, scroll type headboard, iron, posturepedic mattress, \$450, 727-8052 after 5:30. OSTER BLENDER - \$10; Sears toaster, \$5; elec can

opener, \$2; hand-held elec beater, \$2, 727-8052 after VACUUM CLEANER - Sears w/beater bar, \$85; Bissel

sweeper, \$10; GE self-cleaning iron, \$20; Proctor ironing board, \$10.727-8052 after 5:30.

WASHING MACHINE - 1970 Kenmore, good cond, Ric, Ext. 2269, 286-1974.

PHONOGRAPH - Mono, Philco (Ford), portable, plays 78, 45, 33, 16 records, good cond, \$10. O. Booker,

CANOE PADDLE - LL Bean's "Marine Guide," varnished ash, 5' long, hardly used, \$8. Watson, 286-

AWNING - Black canvas, custom-made, 160" Iona.  $37^{\prime\prime}$  wide w/7½" scallop edge, hardware incl, excel cond. \$50. Watson, 286-3679

PORTABLE COMMODE - Brand new, for sick-room

JEANS - 3 pair, 32-31, \$3 ea; floor light fixture w/

use. \$20. Davis, 473-1523 after 5:30.

KARASTAN RUG - Medium blue color, 12x26, good cond, best offer. 286-0497.

LIVING RM FURNITURE - Club chairs, library table, end chair, marble-topped round table, lamps, excel cond. Ext. 3427, 751-2403.

BABY GRAND PIANO - & bench, Cable, good cond. \$800. Ext. 3427, 751-2403.

#### Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

#### **For Sale**

BELLPORT VILLAGE - Off S. Country Rd., 2 bedrm, new kitchen w/dishwasher, TV rm, wash rm, w/w carpeting, air cond. Asking \$30,000. 286-8174.

MASTIC ACRES - Shirley, property, 150x218, Forrestall Dr, Shirley, 75x145. 212-463-9331.

BAYPORT - 7 rm ranch, 3 bedrm, 2 bath, living, din & family rm, eat-in-kitchen, 2 car garage, finished basement, landscaped ½ acre, lots of extras. 472-0107.

CALVERTON - Townhouse, 3 bedrm, 11/2 baths, 5 appliances, w/w carpeting, 15 min to Lab. \$26,000. 345-2978, 8:30-5; 369-2526 after 6.

4 BEDROOMS - Fireplace, ½ acre, option to buy or rent. \$250/month. 281-5626.

BROOKHAVEN HAMLET - 3 bedrm ranch, 2 bath, family rm, fireplace, basement, fenced yard, wooded lot. 286-2032.

NORTHAMPTON - 3 bedrm, very low taxes, fenced back yard, near fresh water lake, full finished basement. 727-8052 after 5:30.

SETAUKET - 2 story salt box, 5 bedrm, 2 bath, 2 car garage, ½ acre, walking distance to univ & elem school. \$57,500. Landy, 751-1295/0583.

#### For Rent

PUERTO RICO - Shore-front penthouse, 1 hr from San Juan, 2 bedrm, w/2 baths, sleeps 6, take advantage of off-season rates. Ext. 3482.

FURN ROOM FOR FEMALE - Share facilities, \$25/ week includes util. 727-9058.

SHOREHAM - 1 family house overlooking LI Sound, 2 bedrm garage, furn, avail mid-May. \$275/month.

APARTMENT - Mike, Ext. 4851.

on site.

MINOX C CAMERA - Accessories, Ext. 3324.

CANOE - To hold 4 people, prefer Grumman type. Marie, Ext. 3155, 698-7647 eyes.

10 SPD BICYCLE - Gitane Interclub or Peugeot PX-10 LE. Phil, 286-3679.

RIFLE & SCOPE - Rimfire 22 cal, target, reasonable, prefer left-handed model. Ed, Ext. 4636.

HOME - 5 kittens, 3 all white, 2 b&w, just weaned.

HOUSE OR APT - To rent or buy, 2 or 3 bedrm, unfurn, permanent occupancy beginning about July 1. Herb, Ext. 3851.

COINS - German coins & medals, not geld tokens, municipal & private. Werner, 345-3817.

BABY ITEMS - Car seat, eventually reclining, safety gates, portable backpack w/stand. Press, 345-3193.

PLAY PEN - Used, for outdoors, inexpensive. Betty, Ext. 4007 before 3, 981-0574 eves.

BABYSITTER - For 13 month old, 8-5:30, M-F, our home preferred. Ext. 4153, 473-7316 after 5:30.

HOME FOR DOG - Spayed female, beagle mix, good-natured, obedient, needs room to run. G.

Schiro, Ext. 3743, 286-8234. CAMPBELL LABELS - Soup & bean. Send to F. Chandler, Bldg T-89.

USED VACUUM - David Mukamed, Ext. 3784, 473-0649 eves.

SERVICE MANUALS - 63 Ford Fairlane; 71 Chevy Sport Van. Dunning, Ext. 4285.

LAWN SPREADER - Bill, Ext. 4249.

HOME - For summer visitor, 1st 2 wks of July, family of 4. S. Shapiro, Ext. 3822, 929-6527.

HOUSE/APT - To rent/sub-let/sit months of July & Aug or year-round, north shore, Carol, Ext. 2345. 928-2437 eves.

#### Services

MANURE - Well seasoned, truck-load only; garden plowing & rototilling; tree removal & chain saw work. free estimates; oak fireplace logs, split & delivered. Ken, 289-8212 eves.

PAINTING & WALLPAPERING - Free estimates. Bob, 698-7647

AUTO BODY - Repairs & painting, good rates, free estimates. Bob, 698-7647.

ALTERATIONS - Hems, reasonable rates. Sharon, 924-

BABYSITTING - Mother of 3 will sit in my home, breakfast, lunch, snacks, playmates, very reasonable. Mrs. Hoeffener, 286-1294.

PAINTING - Interior/exterior, 2 college seniors w/5 yr exper, quality work, refs avail. 751-6431 or 751-0907.

EXCEL TYPING - Reasonable rates. Susan, Ext. 3609, 928-6082 after 5:30

HOUSE/APT SITTING - Exper w/both sitting & animal care. Going away? Avail May & June, refs, no fee. Bob, Ext. 3725 after 4, M-F.

HAVE TRUCK - Yards, cellars, attics cleaned, tree work, removal, chain saw work, light hauling, odd iobs, reasonable, 727-1329.

MUSIC FOR ALL OCCASIONS - Anne, Ext. 3336.

LIC NURSE - And day care mother will begin service next month, responsible, reliable, reasonable, 1 yr & up. 281-1599.

FIREWOOD - All oak. \$55/cord. 924-4693.

CHAIN SAW WORK - S. Brookhaven area, reasonable prices. 286-3377 after 6.

ROTOTILLING - Grow your own vegetables this year, reasonable prices. S. Brookhaven area. 286-3377 after 6.

#### Classified Ad Policy

## Deadline is 12 noon Monday for publication Friday of the same week.

- 1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.

  2. All items for sale or rent must be the advertiser's
- property.

  3. Ads for material acquired for resale in association with
- a full or part-time business cannot be accepted. 4. Firearms offered for sale or trade may not be brought
- 5. Ads not carried because of space restrictions will be held for publication in the next issue 6. Ads are run only once and must be resubmitted if they
- 7. Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

For Sale: Auto & Auto Supplies For Sale: Boats & Marine Supplies For Sale: Miscellaneous	Wanted Carpools Lost & Found Services	Check x the heading applying to your ad. Print or type your ad in 20 words or less.
Ads concerning property for sale or rent canno Office of the Brookhaven Bulletin, Room 111, 40	t be accepted on this form. Sp Brookhaven Avenue.	pecial Real Estate Ad forms are available at the
		(Name & Phone No. To Call)
mployee's Signature		Life No Ext
Send to: Brookhaven Bulletin, Building 460, 40 Brookhav	en Avenue (Ext. 2345).	